PRESTIGE

LED LIGHTING

Glow P18i LED Par

USER MANUAL

18*8W,RGBW 4-IN-1 QUAD-COLOR

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1. SUMMARY

Thank you for purchasing our Glow P18i LED Par. Please read these instructions carefully before operating the system to avoid any possible damage or misuse.

PRODUCT INTRODUCTION

The Glow P18i LED Par light is encased in an aluminum shell, and displays a long can, short can and colour filter. It's high power 4-in-1 LEDs (made up of R, G, B, W LEDs) have a long life expectancy, low power consumption, good colour mixing effect ability and high brightness, and can each be independently dimmed and controlled. The light also includes built in programs such as dimming, strobe, gradual change and fading. An international standard DMX 512 signal is recommended for best results.

CONTENT LIST

- GLOW P18I LED PAR light (x1)
- DMX signal cable (x1) (sold separately)
- The User Manual (x1)

2. SAFETY INFORMATION

SAFETY NOTES

Seek advice from a professional prior to authoring any repairs
Always ensure the system is disconnected from the power source before assembling, deconstructing and moving
Avoid direct eye exposure when in use

SAFETY INSTRUCTIONS

Ensure the power supply voltage corresponds with the required voltage for the lights, and is within the range of the requested technical restrictions.

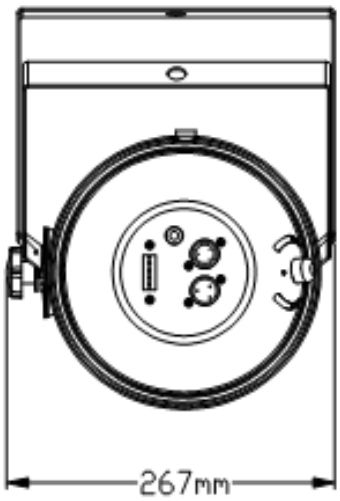
Before installing, check the lights' fasteners and mechanical structures are in good condition and there is no apparent damage.

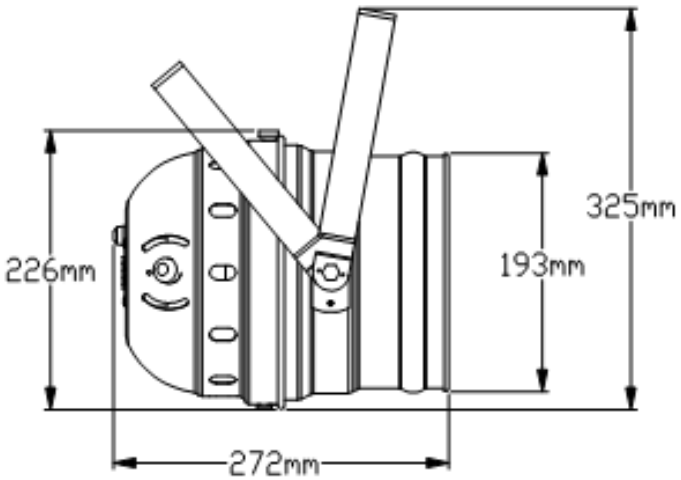
This light is designed for indoor and outdoor use, however the working temperature must be kept below 50 degrees.

The fixtures can be mounted in any position, provided there is adequate room for ventilation. Make sure there are no inflammable and explosive items within 0.5 meters of the fixture.

The yellow/green cables are for earthling safety. These should not flicker when fixture is in use.

3. PRODUCT DIAGRAM





4. FEATURES

- High quality LED: low power consumption, good brightness, stable capability and long life span
- Each coloured LED equipped with 256 dimming. The RGB can make over 16.7 million different colour combinations.
- Dim: 0%-100% (Strobe, gradual change, jumping change etc.)
- DMX512 Controller, 4 button set DMX ID address with led display
- Auto run /sound activated/master slave/interconnected multi-machine control
- Uses a switching power supply to protect the LED
- Lens degree: 25º or 45º options
- 3, 4, 5, 8CH DMX control channel options
- Body color: black or white

5. DMX CONTROL

DMX CHANNEL（3CH）

Channel	DMX Value	Control Function	Remarks
1CH	0-255	RGB color mixing	Hue
2CH	0-255	W Dimming 0-100%	Color Saturation
3CH	0-255	General dimming 0-100%	Purity

Note: Chromaticity is the visible light, such as red, green, yellow, cyan etc.
Color saturation refers to the proportion of color chromaticity possession (100% saturation means the color has reached its purest state).
Purity value refers to the brightness, when purity reaches 100% and the color is the brightest.

DMX CHANNEL（4CH）

Channel	DMX Value	Control Function	Remarks
1CH	0-255	R 0-100%	
2CH	0-255	G 0-100%	
3CH	0-255	B 0-100%	
4CH	0-255	W 0-100%	

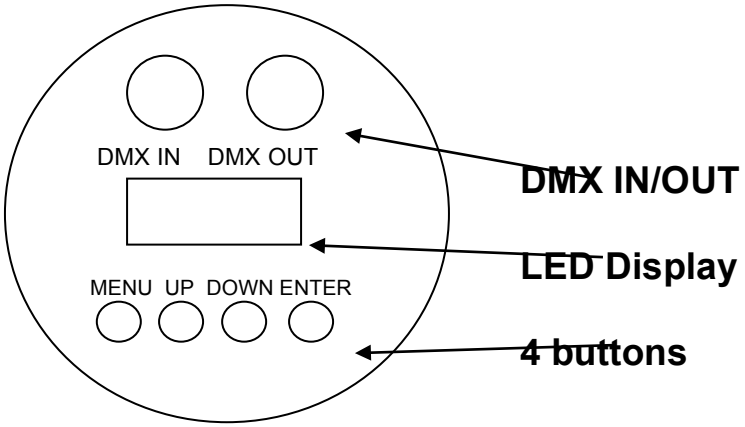
DMX CHANNEL（5CH）

Channel	DMX Value	Control Function	Remarks
1CH	0-255	General dimming	
2CH	0-255	R 0-100%	
3CH	0-255	G 0-100%	
4CH	0-255	B 0-100%	
5CH	0-255	W 0-100%	

DMX CHANNEL（8CH）

Channel	DMX Value	Control Function	Remarks
1CH	0-255	General dimming	
2CH	0-255	Red dimming 0-100%	
3CH	0-255	Green dimming 0-100%	
4CH	0-255	Blue dimming 0-100%	
5CH	0-255	White dimming 0-100%	
6CH	0-14	Dimming	When 7CH>31， this function is invalid.
	15-255	Strobe Speed	
7CH	0-31	Invalid	
	32-63	From dark to bright	Must use CH1, 2, 3, 4, 5CH, otherwise the light will not work. The speed will start adjusting from the 8CH.
	64-95	From bright to dark	
	96-127	From dark-bright-dark	
	128-159	RGB Gradient	The speed will start adjusting from the 8CH.
	160-191	Dark-bright-dark auto run	
	192-223	4 colors jumping change	
	224-255	Multi-colors jumping change	
8CH	0-255	Speed Adjustment （7CH）	

6. DISPLAY OPERATION



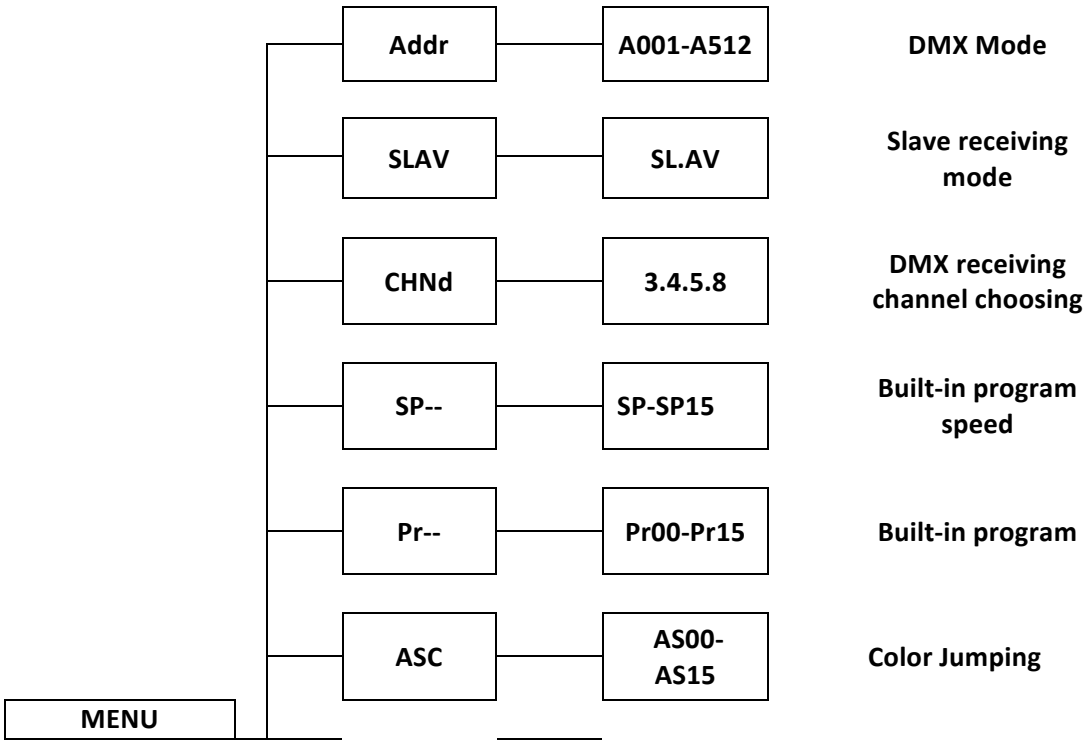
MENU: Access the menu

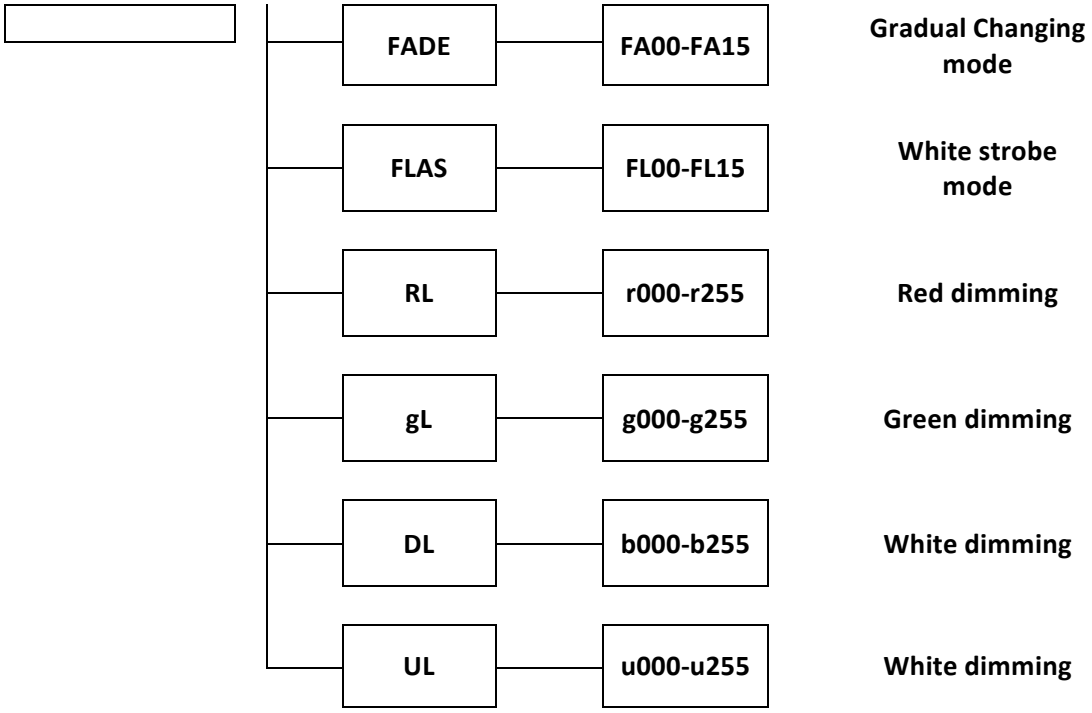
UP: Increase menu selection

DOWN: Decrease menu selection

ENTER: Confirm the current menu option

7. MENU INSTRUCTIONS




FADE
FA00-FA15
Gradual Changing mode
FLAS
FL00-FL15
White strobe mode
RL
r000-r255
Red dimming
gL
g000-g255
Green dimming
DL
b000-b255
White dimming
UL
u000-u255
White dimming

OPERATING INSTRUCTIONS:

MENU is used to access the menu or return to the previous menu option. It cannot be used to select and store the current menu option. Press UP / DOWN to choose a desired menu item. The operation details are as followed:

"Addr" : DMX mode (A001-A512)
"SLAV" : Slave receiving mode
"CHNd" : DMX receiving channel selection (3, 4, 5, 8)
"SP - -" : Modify built-in program speed (SP00-SP15, SP00 is the fastest)
"Pr- -" : Built-in program (Pr00-Pr15 – there are 16 kinds of programs)
"ASC-" : Multi-colour jumping mode (AS00-AS15 : speed adjustment)
"FadE" : Gradual change mode (FA00-FA15: modify speed)
"FLAS" : White strobe speed (FL00-FL15: modify speed)
"rL- -" : Adjust red brightness mode (r000-r255, r255 is the brightest)
"gL- -" : Adjust green brightness mode (g000- g255, g255 is the brightest)
"bL- -" : Adjust blue brightness mode (b000- b255, b255 is the brightest)
"UL- -" : Adjust white brightness mode (U000-U255, U255 is the brightest)

Press ENTER to access further menu settings. This process will be saved automatically; so that when next activate the light you will be able to continue with the previous session.

For example, if you want to choose DMX mode (A001), the operation details are as followed:

Press MENU to return to the initial setting
Press UP / DOWN until "Addr"
Press ENTER to select. The display will flash.
Press UP / DOWN to change the address code to select A001
Press ENTER to select and store the current menu options. DMX mode will be stored automatically and the screen will stop flashing.

To choose the DMX channel : CHNd mode

Press MENU to return to the initial setting
Press UP/DOWN until "CHNd"
Press ENTER to select. The display will flash
Press UP/DOWN to modify DMX receiving channel, 3CH, 4CH, 5CH, 8CH

Press ENTER. If you hold ENTER for longer than 3 seconds, the DMX channel will be saved and you will return to DMX receiving mode（A001）. If you press ENTER (with for less than 3 seconds) or not press ENTER at all, the DMX channel will be automatically selected and saved and you will return to DMX receiving mode（A001）.

Details of built-in program（Pr- -）:

Press MENU to return to the initial setting
Press UP/DOWN until "pr- - "
Press ENTER to select. The display will flash
Press UP/DOWN to modify the built-in program until "Pr00"
Press ENTER to select and store the current menu option. DMX mode will be saved automatically and the screen will stop flashing.

Note：

Pr14--- Pr30 can modify the content of "SP-- -" and correct the speed of the jumping change (Where SP00 is the fastest and SP15 is the slowest)

Pr00-Pr13：RGBW single color or multi-color mixing

Pr14-Pr27：Pr00 - Pr13 corresponding with increasing strobe function

Pr28：4 colors jumping change

8. OPERATING CONTROL INSTRUCTIONS

MASTER/SLAVE

Master setting: The master should be one of following modes: built-in mode, color jumping mode, fade mode, white strobe mode or manual dimming mode. This sends out a synchronized signal to the slave. To avoid the master signal and DMX512 signal from interfering with each other, the DMX512 signal must be cut off. When the signal cables are longer than 60 meters, a DMX signal amplifier is necessary.

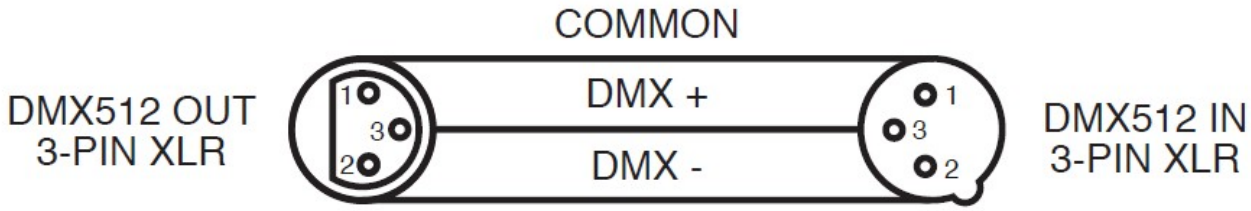
Slave setting: Settings must be in the SLAV mode and the address code should be A001 to assure the master's signals are received correctly. Only one light can be set as a Master and the remaining are slaves.

9. XLR CABLE CONNECTING

XRL CABLE

The standard connection of the XRL should have one end connecting to the male plug, and the other connecting to the female.
As below: pin 1 - ground, pin 2 - negative signal, pin 3 - positive signal

XLR Pin Configuration
Pin 1 = Ground
Pin 2 = Data Compliment (negative)
Pin 3 = Data True (positive)



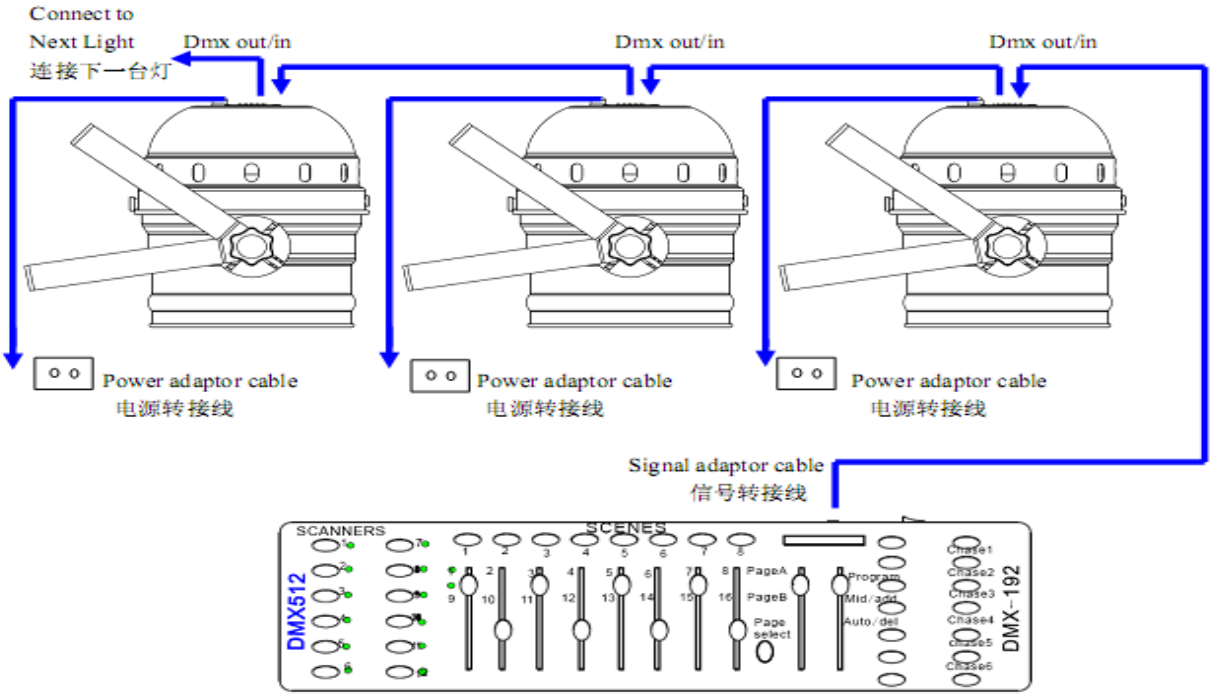
Note: In order to avoid failures and interference with signal transmission, connect a resistance 120Ω （1/4W）at the end of the DMX connection as shown below:

Termination reduces signal errors and avoids signal transmission problems and interference. It is always advisable to connect a DMX terminal, (Resistance 120 Ohm 1/4 W) between PIN 2 (DMX-) and PIN 3 (DMX +) of the last fixture.

The conversion between 3 pin and 5 pin XLR.
If the output cable of the DMX512 controller is a 5PIN, a 5PIN to 3PIN cable is necessary.

3-Pin XLR to 5-Pin XLR Conversion		
Conductor	3-Pin XLR Female (Out)	5-Pin XLR Male (In)
Ground/Shield	Pin 1	Pin 1
Data Compliment (- signal)	Pin 2	Pin 2
Data True (+ signal)	Pin 3	Pin 3
Not Used		Do Not Use
Not Used		Do Not Use

10. WIRING DIAGRAM



11. TROUBLE SHOOTING

Problem	Suggestions
The light won't turn on	Check the power plug is working normally Check if the light switch is off or on Check if the power supply is working normally
The DMX is not controlling the light	Check if the DMX cable is connect to the light properly Check if the DMX512 controller is working normally. Check if the DMX cable is damaged. Check if the light is in DMX mode (Addr:001).
The display is not working	Check if the power input of the IC board is working. Check if the cable connected to the display is secure. Change the main board to ensure that it is working properly. Change the display.
The LED is not light	Check if the power input of the IC board is working. Check if the cable connected to the display is secure. Change the main board to ensure that it is working properly.
Some of the LEDs are not light	Check if the LEDs are secure, as the LED is connected by LEDs in series. Use the multimeter (diode) to check if the LED is bright or not. If not, the LED will need replacing. Check constant current IC is working properly (compared with the normal IC).
Single color LEDs are always bright/not bright	Check if the voltage of the input end of corresponding color is working. Change the IC control board.

Note: Seek advice from a professional prior to authoring any repairs

12. TECHNICAL SPECIFICATIONS

- Input voltage: AC 100V-264V/47-63HZ
- Output voltage: DC24V
- Consume: 144W
- Lamp Type: High Power LED(8W)
- Lamp Spec: 4-in-1 8W （18PCS)
- Constant current driver:5 00MA
- Refresh rate:>400HZ
- Life span: 50000~100000hours
- Control Signal： DMX512, sound activated, auto run
- Control mode： stand alone/ sound activated
- Channel： 3,4,5,8CH
- Color effect： RGBW mixing
- Function Effect: dimmer, strobe, gradual change, sound activated
- Beam Angle: 15°, 25°,45°
- Cooling mode: Natural Convection
- Anti-electricity intension： 1.5KV
- Insulation Resistance: > 2 MΩ
- Size:30*22*23cm
- Net Weight:2.5KG